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**AMENDMENT 1**  
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**Basic human body measurements for  
technological design —**

Part 2:  
**Statistical summaries of body  
measurements from national  
populations**

**AMENDMENT 1**

*Définitions des mesures de base du corps humain pour la conception  
technologique —*

*Partie 2: Résumés statistiques des mesurages du corps de  
populations nationales*

*AMENDEMENT 1*



Reference number  
ISO/TR 7250-2:2010/Amd.1:2013(E)

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**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. [www.iso.org/directives](http://www.iso.org/directives)

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The committee responsible for this document is ISO/TC 159, *Ergonomics*, Subcommittee SC 3, *Anthropometry and biomechanics*. Amendment 1 to ISO/TR 7250-2:2010 refines the title of ISO/TR 7250-2 in order to make clear that the statistical summaries presented by ISO/TR 7250-2 are of the *national* populations of countries whose national standards bodies are ISO members. It adds a statistical summary for the People's Republic of China, updates or corrects other national statistics and references, and provides a web address from which the most recent data can be accessed by users of ISO/TR 7250-2.

ISO 7250 consists of the following parts, under the general title *Basic human body measurements for technological design*:

- *Part 1: Body measurement definitions and landmarks*
- *Part 2: Statistical summaries of body measurements from national populations*



# Basic human body measurements for technological design —

## Part 2: Statistical summaries of body measurements from national populations

### AMENDMENT 1

#### *Cover page and page 1*

Change the part title of this part of ISO 7250 from *Statistical summaries of body measurements from individual ISO populations* to

*Statistical summaries of body measurements from national populations.*

#### *Page 1, Clause 2*

Add the year of publication, 2010, to the normative reference ISO 20685.

#### *Page 5, Clause 7*

Insert the following new Clause 7, consequently modifying the numbering of succeeding clauses/subclauses (the former Clause 7 becomes Clause 8, 7.1 becomes 8.1, etc.).

Modify the title of what now becomes Clause 8 from “Statistics for ISO member bodies” to “Statistics for ISO national members”. Throughout, delete the phrase “ISO member body” from the subclause headings (8.1, etc.), leaving the names of the actual countries.

## **7 Up-to-date data**

An online version of this Technical Report — updated as new data becomes available (and with a text document giving the update history) — can be accessed at the following web address:

<http://standards.iso.org/iso/7250/-2/>

#### *Page 16, Table 4 (Italy)*

Delete the numerical data of line No. 33, 4.3.4, Index finger length, from the table.

#### *Page 24, Table 9 (Korea)*

Change the data in 2.1, Working age, from “18 to 55” to “18 to 60”.

#### *Page 52*

Add the following new subclause and tables between Table 16 and Annex A.

**8.10 People's Republic of China**

Organization: China National Institute of Standardization (CNIS)

URL: <http://www.cnis.gov.cn/>

Name of study: —

**Table 17 — People's Republic of China — Database**

| <b>1 Measurement</b>                              |   |   |
|---|---|---|
| 1.1   | Measured side (right/left)  | Right   |
| 1.2   | Measurement definitions different from those described in ISO 7250-1  | 4.1.11 Chest breadth standing: measured at the nipple level.<br>4.3.3 Hand breadth: distance between the first and the fifth metacarpal heads (Hand breadth, diagonal).<br>4.3.12 Head circumference: tape measure passes Glabella. |
| 1.3   | Substituted measurements  | None  |
| 1.4   | Number of measurements not described in ISO 7250-1                    | 8 dimensions  |
| <b>2 Age range</b>                                |   |   |
| 2.1   | Working age   | 18 to 60 for males, 18 to 55 for female   |
| 2.2   | Age range of subjects   | 18 to 60 for males, 18 to 55 for female   |
| <b>3 Background data</b>                          |   |   |
| 3.1   | Time period of examination  | 1986-1987   |
| 3.2   | Location of examination   | 16 provinces in China   |
| 3.3   | Survey sample   | 22,314  |
| 3.4   | Publication   | Reference [16]  |
| <b>4 Representativeness of the sample</b>         |   |   |
| 4.1   | Sampling method   | Stratified random cluster sampling  |
| 4.2   | Information on secular change   | None  |
| <b>5 Accuracy and reliability of measurements</b> |   |   |
| 5.1   | Intra- and inter-observer error rates                                 | No information  |
| 5.2   | Measurements from 3-D scanners  | None  |
| 5.3   | Other measurement not taken using instruments described in ISO 7250-1 | None  |
| 5.4   | Type of clothing  | Undergarment  |

Table 18 — People's Republic of China — Data

| No. | ISO 7250-1 measurement |                              |              | Sample size<br><i>n</i> | Mean | SD | P1   | P5   | P50  | P95  | P99  |
|-----|------------------------|------------------------------|--------------|-------------------------|------|----|------|------|------|------|------|
|     |                        | Age                          | Male         |                         |      |    |      |      |      |      |      |
|     |                        |                              | Female       |                         |      |    |      |      |      |      |      |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 1   | 4.1.1                  | Body mass (weight), kg       | Male         | 11 164                  | 60   | 8  | 44   | 48   | 59   | 75   | 83   |
|     |                        |                              | Female       | 11 150                  | 52   | 8  | 39   | 42   | 52   | 66   | 74   |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 2   | 4.1.2                  | Stature (body height)        | Male         | 11 164                  | 1678 | 59 | 1543 | 1583 | 1678 | 1775 | 1814 |
|     |                        |                              | Female       | 11 150                  | 1571 | 54 | 1449 | 1484 | 1570 | 1659 | 1697 |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 3   | 4.1.3                  | Eye height                   | Male         | 11 164                  | 1568 | 58 | 1436 | 1474 | 1568 | 1664 | 1705 |
|     |                        |                              | Female       | 11 150                  | 1455 | 53 | 1337 | 1371 | 1454 | 1541 | 1579 |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 4   | 4.1.4                  | Shoulder height              | Male         | 11 164                  | 1367 | 53 | 1244 | 1281 | 1367 | 1455 | 1494 |
|     |                        |                              | Female       | 11 150                  | 1272 | 47 | 1166 | 1195 | 1271 | 1350 | 1385 |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 5   | 4.1.5                  | Elbow height                 | Male         | 11 164                  | 1024 | 44 | 925  | 954  | 1024 | 1096 | 1128 |
|     |                        |                              | Female       | 11 150                  | 961  | 38 | 873  | 899  | 960  | 1023 | 1050 |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 6   | 4.1.6                  | Iliac spine height, standing | Male         |                         |      |    |      |      |      |      |      |
|     |                        |                              | Female       |                         |      |    |      |      |      |      |      |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 7   | 4.1.7                  | Crotch height                | Male         | 11 164                  | 791  | 39 | 701  | 728  | 790  | 856  | 887  |
|     |                        |                              | Female       | 11 150                  | 732  | 36 | 648  | 673  | 732  | 792  | 819  |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 8   | 4.1.8                  | Tibial height                | Male         | 11 164                  | 444  | 22 | 394  | 409  | 444  | 481  | 498  |
|     |                        |                              | Female       | 11 150                  | 410  | 21 | 363  | 377  | 410  | 444  | 459  |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 9   | 4.1.9                  | Chest depth, standing        | Male         |                         |      |    |      |      |      |      |      |
|     |                        |                              | Female       |                         |      |    |      |      |      |      |      |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 10  | 4.1.10                 | Body depth, standing         | Male         |                         |      |    |      |      |      |      |      |
|     |                        |                              | Female       |                         |      |    |      |      |      |      |      |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 11a | 4.1.11                 | Chest breadth, standing      | Male         | 11 164                  | 282  | 19 | 242  | 253  | 280  | 315  | 331  |
|     |                        |                              | Female       | 11 150                  | 262  | 20 | 219  | 233  | 260  | 299  | 319  |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |
| 12  | 4.1.12                 | Hip breadth, standing        | Male         | 11 164                  | 307  | 16 | 273  | 282  | 306  | 334  | 346  |
|     |                        |                              | Female       | 11 150                  | 317  | 18 | 275  | 290  | 317  | 346  | 360  |
|     |                        |                              | <b>Total</b> |                         |      |    |      |      |      |      |      |

Table 18 (continued)

| No. | ISO 7250-1 measurement |                                     |              | Sample size<br><i>n</i> | Mean | SD | P1  | P5  | P50 | P95 | P99 |
|-----|------------------------|-------------------------------------|--------------|-------------------------|------|----|-----|-----|-----|-----|-----|
| 13  | 4.2.1                  | Sitting height (erect)              | Male         | 11 164                  | 908  | 30 | 836 | 858 | 908 | 958 | 979 |
|     |                        |                                     | Female       | 11 150                  | 855  | 28 | 789 | 809 | 855 | 901 | 920 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 14  | 4.2.2                  | Eye height, sitting                 | Male         | 11 164                  | 798  | 30 | 729 | 749 | 798 | 847 | 868 |
|     |                        |                                     | Female       | 11 150                  | 739  | 27 | 678 | 695 | 739 | 783 | 803 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 15  | 4.2.3                  | Cervicale height, sitting           | Male         | 11 164                  | 658  | 26 | 599 | 615 | 657 | 701 | 719 |
|     |                        |                                     | Female       | 11 150                  | 618  | 24 | 563 | 579 | 617 | 657 | 675 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 16  | 4.2.4                  | Shoulder height, sitting            | Male         | 11 164                  | 598  | 26 | 539 | 557 | 598 | 641 | 659 |
|     |                        |                                     | Female       | 11 150                  | 556  | 23 | 504 | 518 | 556 | 594 | 609 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 17  | 4.2.5                  | Elbow height, sitting               | Male         | 11 164                  | 263  | 22 | 214 | 228 | 263 | 298 | 312 |
|     |                        |                                     | Female       | 11 150                  | 250  | 21 | 201 | 215 | 251 | 284 | 299 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 18  | 4.2.6                  | Shoulder-elbow length               | Male         |                         |      |    |     |     |     |     |     |
|     |                        |                                     | Female       |                         |      |    |     |     |     |     |     |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 19  | 4.2.7                  | Elbow-wrist length                  | Male         |                         |      |    |     |     |     |     |     |
|     |                        |                                     | Female       |                         |      |    |     |     |     |     |     |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 20  | 4.2.8                  | Shoulder (biacromial) breadth       | Male         | 11 164                  | 374  | 18 | 330 | 344 | 375 | 403 | 415 |
|     |                        |                                     | Female       | 11 150                  | 350  | 17 | 304 | 320 | 351 | 377 | 387 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 21  | 4.2.9                  | Shoulder (bideltoïd) breadth        | Male         | 11 164                  | 432  | 22 | 383 | 398 | 431 | 469 | 486 |
|     |                        |                                     | Female       | 11 150                  | 398  | 23 | 347 | 363 | 397 | 438 | 458 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 22  | 4.2.10                 | Elbow-to-elbow breadth              | Male         | 11 164                  | 425  | 36 | 353 | 371 | 422 | 489 | 518 |
|     |                        |                                     | Female       | 11 150                  | 407  | 39 | 326 | 348 | 404 | 478 | 509 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 23  | 4.2.11                 | Hip breadth, sitting                | Male         | 11 164                  | 323  | 18 | 284 | 295 | 321 | 355 | 369 |
|     |                        |                                     | Female       | 11 150                  | 345  | 22 | 295 | 310 | 344 | 382 | 400 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 24  | 4.2.12                 | Lower leg length (popliteal height) | Male         | 11 164                  | 414  | 20 | 372 | 383 | 413 | 448 | 463 |
|     |                        |                                     | Female       | 11 150                  | 379  | 19 | 331 | 342 | 382 | 405 | 417 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 25  | 4.2.13                 | Thigh clearance                     | Male         | 11 164                  | 131  | 12 | 103 | 112 | 130 | 151 | 160 |
|     |                        |                                     | Female       | 11 150                  | 131  | 11 | 107 | 113 | 130 | 151 | 160 |
|     |                        |                                     | <b>Total</b> |                         |      |    |     |     |     |     |     |

Table 18 (continued)

| No. | ISO 7250-1 measurement |                                |              | Sample size<br><i>n</i> | Mean | SD | P1  | P5  | P50 | P95 | P99 |
|-----|------------------------|--------------------------------|--------------|-------------------------|------|----|-----|-----|-----|-----|-----|
| 26  | 4.2.14                 | Knee height                    | Male         | 11 164                  | 493  | 23 | 441 | 456 | 493 | 532 | 549 |
|     |                        |                                | Female       | 11 150                  | 458  | 21 | 410 | 424 | 458 | 493 | 507 |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 27  | 4.2.15                 | Abdominal depth, sitting       | Male         |                         |      |    |     |     |     |     |     |
|     |                        |                                | Female       |                         |      |    |     |     |     |     |     |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 28  | 4.2.16                 | Thorax depth at the nipple     | Male         | 11 164                  | 213  | 18 | 176 | 186 | 212 | 245 | 261 |
|     |                        |                                | Female       | 11 150                  | 201  | 21 | 159 | 170 | 199 | 239 | 260 |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 29  | 4.2.17                 | Buttock-abdomen depth sitting  | Male         |                         |      |    |     |     |     |     |     |
|     |                        |                                | Female       |                         |      |    |     |     |     |     |     |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 30  | 4.3.1                  | Hand length                    | Male         | 11 164                  | 183  | 8  | 164 | 170 | 183 | 196 | 202 |
|     |                        |                                | Female       | 11 150                  | 171  | 8  | 154 | 159 | 171 | 183 | 189 |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 31  | 4.3.2                  | Palm length perpendicular      | Male         |                         |      |    |     |     |     |     |     |
|     |                        |                                | Female       |                         |      |    |     |     |     |     |     |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 32a | 4.3.3                  | Hand breadth at metacarpals    | Male         | 11 164                  | 82   | 4  | 73  | 76  | 82  | 89  | 91  |
|     |                        |                                | Female       | 11 150                  | 76   | 4  | 67  | 70  | 76  | 82  | 84  |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 33  | 4.3.4                  | Index finger length            | Male         | 11 164                  | 69   | 4  | 60  | 63  | 69  | 76  | 79  |
|     |                        |                                | Female       | 11 150                  | 66   | 4  | 57  | 60  | 66  | 72  | 76  |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 34  | 4.3.5                  | Index finger breadth, proximal | Male         | 11 164                  | 19   | 1  | 17  | 18  | 19  | 21  | 21  |
|     |                        |                                | Female       | 11 150                  | 17   | 1  | 15  | 16  | 17  | 19  | 20  |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 35  | 4.3.6                  | Index finger breadth, distal   | Male         | 11 164                  | 16   | 1  | 14  | 15  | 16  | 18  | 19  |
|     |                        |                                | Female       | 11 150                  | 15   | 1  | 13  | 14  | 15  | 16  | 17  |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 36  | 4.3.7                  | Foot length                    | Male         | 11 164                  | 247  | 10 | 223 | 230 | 247 | 264 | 272 |
|     |                        |                                | Female       | 11 150                  | 229  | 9  | 208 | 213 | 229 | 244 | 251 |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 37  | 4.3.8                  | Foot breadth                   | Male         | 11 164                  | 96   | 5  | 86  | 88  | 96  | 103 | 107 |
|     |                        |                                | Female       | 11 150                  | 88   | 4  | 78  | 81  | 88  | 95  | 98  |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 38  | 4.3.9                  | Head length                    | Male         | 11 164                  | 184  | 7  | 168 | 173 | 184 | 195 | 200 |
|     |                        |                                | Female       | 11 150                  | 176  | 7  | 161 | 165 | 176 | 187 | 191 |
|     |                        |                                | <b>Total</b> |                         |      |    |     |     |     |     |     |

Table 18 (continued)

| No. | ISO 7250-1 measurement |  |              | Sample size<br><i>n</i> | Mean | SD | P1  | P5  | P50 | P95 | P99 |
|-----|------------------------|--|--------------|-------------------------|------|----|-----|-----|-----|-----|-----|
| 39  | 4.3.10                 | Head breadth                             | Male         | 11 164                  | 154  | 6  | 141 | 145 | 154 | 164 | 168 |
|     |                        |  | Female       | 11 150                  | 149  | 5  | 137 | 141 | 149 | 158 | 162 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 40  | 4.3.11                 | Face length<br>(nasion-menton)           | Male         | 11 164                  | 119  | 7  | 104 | 109 | 119 | 130 | 135 |
|     |                        |  | Female       | 11 150                  | 109  | 6  | 97  | 100 | 109 | 119 | 123 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 41a | 4.3.12                 | Head circumference                       | Male         | 11 164                  | 561  | 15 | 525 | 536 | 560 | 586 | 597 |
|     |                        |  | Female       | 11 150                  | 546  | 16 | 510 | 520 | 546 | 573 | 585 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 42  | 4.3.13                 | Sagittal arc                             | Male         | 11 164                  | 349  | 15 | 314 | 324 | 350 | 375 | 384 |
|     |                        |  | Female       | 11 150                  | 329  | 12 | 300 | 310 | 329 | 349 | 358 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 43  | 4.3.14                 | Bitrignon arc                            | Male         | 11 164                  | 361  | 13 | 330 | 338 | 361 | 383 | 392 |
|     |                        |  | Female       | 11 150                  | 349  | 13 | 318 | 327 | 348 | 372 | 381 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 44  | 4.4.1                  | Wall-acromion distance                   | Male         |                         |      |    |     |     |     |     |     |
|     |                        |  | Female       |                         |      |    |     |     |     |     |     |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 45  | 4.4.2                  | Grip reach;<br>forward reach             | Male         |                         |      |    |     |     |     |     |     |
|     |                        |  | Female       |                         |      |    |     |     |     |     |     |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 46  | 4.4.3                  | Elbow-grip length                        | Male         |                         |      |    |     |     |     |     |     |
|     |                        |  | Female       |                         |      |    |     |     |     |     |     |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 47  | 4.4.4                  | Fist (grip axis) height                  | Male         | 11 164                  | 741  | 37 | 656 | 680 | 741 | 801 | 828 |
|     |                        |  | Female       | 11 150                  | 704  | 32 | 630 | 650 | 704 | 757 | 778 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 48  | 4.4.5                  | Forearm-fingertip length                 | Male         |                         |      |    |     |     |     |     |     |
|     |                        |  | Female       |                         |      |    |     |     |     |     |     |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 49  | 4.4.6                  | Buttock-popliteal length<br>(seat depth) | Male         | 11 164                  | 457  | 22 | 407 | 421 | 457 | 494 | 510 |
|     |                        |  | Female       | 11 150                  | 434  | 21 | 388 | 401 | 433 | 469 | 485 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 50  | 4.4.7                  | Buttock-knee length                      | Male         | 11 164                  | 554  | 24 | 499 | 515 | 554 | 595 | 613 |
|     |                        |  | Female       | 11 150                  | 531  | 23 | 481 | 495 | 529 | 570 | 587 |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |
| 51  | 4.4.8                  | Neck circumference                       | Male         |                         |      |    |     |     |     |     |     |
|     |                        |  | Female       |                         |      |    |     |     |     |     |     |
|     |                        |  | <b>Total</b> |                         |      |    |     |     |     |     |     |

Table 18 (continued)

| No. | ISO 7250-1 measurement |                     |              | Sample size<br><i>n</i> | Mean | SD | P1  | P5  | P50 | P95 | P99  |
|-----|------------------------|---------------------|--------------|-------------------------|------|----|-----|-----|-----|-----|------|
| 52  | 4.4.9                  | Chest circumference | Male         | 11 164                  | 872  | 54 | 762 | 791 | 867 | 970 | 1018 |
|     |                        |                     | Female       | 11 150                  | 833  | 63 | 717 | 745 | 825 | 949 | 1005 |
|     |                        |                     | <b>Total</b> |                         |      |    |     |     |     |     |      |
| 53  | 4.4.10                 | Waist circumference | Male         | 11 164                  | 733  | 78 | 604 | 632 | 718 | 880 | 944  |
|     |                        |                     | Female       | 11 150                  | 695  | 80 | 561 | 590 | 680 | 844 | 910  |
|     |                        |                     | <b>Total</b> |                         |      |    |     |     |     |     |      |
| 54  | 4.4.11                 | Wrist circumference | Male         |                         |      |    |     |     |     |     |      |
|     |                        |                     | Female       |                         |      |    |     |     |     |     |      |
|     |                        |                     | <b>Total</b> |                         |      |    |     |     |     |     |      |
| 55  | 4.4.12                 | Thigh circumference | Male         |                         |      |    |     |     |     |     |      |
|     |                        |                     | Female       |                         |      |    |     |     |     |     |      |
|     |                        |                     | <b>Total</b> |                         |      |    |     |     |     |     |      |
| 56  | 4.4.13                 | Calf circumference  | Male         |                         |      |    |     |     |     |     |      |
|     |                        |                     | Female       |                         |      |    |     |     |     |     |      |
|     |                        |                     | <b>Total</b> |                         |      |    |     |     |     |     |      |

<sup>a</sup> Definition is different from ISO 7250-1 or substituted.

Page 58, Bibliography

Add "(in Italian)" at the end of references [3] and [4].

Add "Research Institute of Human Engineering for Quality Life, Osaka" before "(in Japanese)" in reference [8].

Add "Korean Agency for Technology and Standards, Gwacheon-si" before "(in Korean)" in reference [9].

Add ", Delft" at the end of reference [12].

Add the following new reference:

- [16] SAC GB/T 10000-1988, 1989, *Human dimensions of Chinese adults*. (in Chinese)

